

U.S. Serial No. 10/605,662
Examiner: Zeinab El Arini
Art Unit No.: 1764
Page 2 of 7

Atty. Docket No.: JD-243A-US

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A system for treatment of a conveyor belt comprising: a sump basin containing a solution at a level to submerge a portion of a conveyor belt, at least one conveyor belt guide, ~~[[and]]~~ at least one wash spray bar submersed below the solution~~[[.]]~~ and at least one rinse spray bar that is not submersed below the solution.
2. The system of claim 1 further including a circulation pump.
3. (Cancelled)
4. (Currently Amended) The system of claim ~~[[3]]~~ 1 wherein the sump basin includes a cascade drain.
5. (Currently Amended) The system of claim ~~[[3]]~~ 1 wherein the sump basin includes a skimmer drain at the solution level to allow ~~[[the]]~~ purging of any floating debris.
6. (Currently Amended) The system of claim ~~[[3]]~~ 1 wherein the sump basin includes a drain in proximity to ~~[[the]]~~ a bottom of the sump basin.
7. (Currently Amended) The system of claim ~~[[3]]~~ 1 wherein a shedding pan is connected to the sump basin.
8. The system of claim 7 wherein the shedding pan collects and returns all excess solution from the conveyor belt into sump basin.
9. The system of claim 1 wherein the solution is a lubricant, a washing solution or a sanitizing solution.

U.S. Serial No. 10/605,662**Atty. Docket No.: JD-243A-US**

Examiner: Zeinab El Arini

Art Unit No.: 1764

Page 3 of 7

10. (Currently Amended) The system of claim 1 wherein there are at least two wash spray bars one submersed below the solution which sprays ~~[[the]]~~ a topside of the conveyor belt and a wash spray bar above the solution which sprays ~~[[the]]~~ an underside of the conveyer as it passes through the solution.

11. (Currently Amended) The system of claim ~~[[3]]~~ 1 wherein the at least one rinse spray bar is rinsing the conveyor belt after it leaves the solution.

12. (Currently Amended) The system of claim ~~[[3]]~~ 1 wherein there are two rinse spray bars, one spray bar rinsing ~~[[the]]~~ a topside of the conveyor belt prior to it entering the solution and one spray bar rinsing the top side of the conveyor belt after it leaves the solution.

13. (Currently Amended) The system of claim ~~[[3]]~~ 1 wherein there are two rinse spray bars, one rinsing ~~[[the]]~~ a topside of the conveyor belt and the other rinsing ~~[[the]]~~ an underside of the conveyor belt prior to the conveyor belt entering the solution and two rinse spray bars one rinsing the topside of the conveyor belt and the other rinsing the underside of the conveyor belt after the conveyor belt leaves the solution.

14. (Currently Amended) The system of claim ~~[[3]]~~ 1 wherein the solution ~~in the~~ in the sump basin and the solution emitted from the rinse and wash spray bars is a sanitizing solution.

15. (Currently Amended) The system of claim ~~[[3]]~~ 1 wherein the solution in the sump basin and the solution emitted from the wash spray bar is the same solution.

16. The system of claim 15 wherein the solution emitted from the rinse spray bar is not the same as the solution in the sump basin.

U.S. Serial No. 10/605,662**Atty. Docket No.: JD-243A-US**

Examiner: Zeinab El Arini

Art Unit No.: 1764

Page 4 of 7

18. The system of claim ~~[[3]] 1~~ wherein the wash and rinse spray bars are constructed and arranged of a size so that enough solution is emitted to saturate the width of the conveyer.

19. (Currently Amended) The system of claim 11 ~~where-in~~ wherein the rinse spray bar is ~~emitted~~ constructed and arranged to emit a lubricant onto the conveyor belt.

20. (Currently Amended) The system of claim 17 ~~where-in~~ wherein the solution in the sump basin and emitted from the wash spray bars is a washing solution and the solution emitted from the rinse spray bars is a sanitizing solution.

21. (Currently Amended) The system claim ~~[[3]] 1~~ further comprising a monitoring system to track ~~the systems a~~ use of the system.

22. The system of claim 21 wherein the monitoring system starts and stops the system at required intervals allowing for the use only when needed.

23. The system of claim 21 wherein the monitoring system controls solution levels in the sump basin and the spray amount from the wash and rinse spray bars.

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

U.S. Serial No. 10/605,662

Examiner: Zeinab El Arini

Art Unit No.: 1764

Page 5 of 7

Atty. Docket No.: JD-243A-US

29 (Cancelled)